

SEP. 27. 2001 4:08PM

NO. 1968 P. 5

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PTO/SP-01 (3-00)

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# DECLARATION — Utility or Design Patent Application

Direct all correspondence to:		<input checked="" type="checkbox"/> Customer Number or Bar Code Label	20850	<input type="checkbox"/> Correspondence address below
Name				
Address				
Address				
City		State	ZIP	
Country	Telephone		Fax	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.				
NAME OF SOLE OR FIRST INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Zaria		ANSARI		
Given Name (first and middle (if any))		Family Name or Surname		
Inventor's Signature		8 OCT 2001		Date
Menlo Park Residence: City	CA State	CA	US Country	US Citizenship
40 Princeton Road				
Mailing Address				
Menlo Park City	CA State	94025 ZIP	US COUNTRY	
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Bruce L.		BRICKETT		
Given Name (first and middle (if any))		Family Name or Surname		
Inventor's Signature		9 OCT 2001		Date
Freemont Residence: City	CA State	CA	US Country	US Citizenship
40351 Imperia Place				
Mailing Address				
Freemont City	CA State	94030 ZIP	US COUNTRY	
<input checked="" type="checkbox"/> Additional inventors are being claimed on the 1 application and/or in addition to the PTO/SP-02A attached hereto.				

(Page 2 of 3)

DE 7DS1365 v1

09937680.112901

1-00

2-00

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PTO/SB/01 (03-01)

Approved for use through 10/31/2002. OMB 0851-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☒ Declaration  
Submitted  
With Initial  
Filing

OR

☐ Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16(e))  
required)

Attorney Docket Number

19730-000110US

First Named Inventor

ANSARI, Zahid

**COMPLETE IF KNOWN**

Application Number

Filing Date

Group Art Unit

Examiner Name

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

ANSARI, Zahid  
PRICKETT, Bruce L.  
GUY, Jonathan Andrew

METHOD AND APPARATUS FOR  
PROVIDING PULSE WIDTH MODULATION (Title of the Invention)  
the specification of which

☐ Is attached hereto

OR

☒ was filed on (MM/DD/YYYY)

28/03/2000

as United States Application Number or PCT International

Application Number  and was amended on (MM/DD/YYYY)  (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 3]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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NO. 1968 P. 6

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PTO/GB02A (10-00)

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## DECLARATION

ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
Page 1 of 1

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Jonathan Andrew		GUY	
Inventor's Signature		Date 9-28-01	
Residence: City	Austin	State	TX
		Country	US
Citizenship NZ			
Mailing Address 4444 Brenner Drive TX			
City	Austin	State	TX
		ZIP	78749
		Country	US
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature		Date	
Residence: City		State	
		Country	
Citizenship			
Mailing Address			
Mailing Address			
City		State	
		ZIP	
		Country	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature		Date	
Residence: City		State	
		Country	
Citizenship			
Mailing Address			
Mailing Address			
City		State	
		ZIP	
		Country	

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09/27/2001 12:20:01

# NO. 1868 P. 7  
 Power of Attorney  
 11.8.02  
 C. Moore

Please type a plus sign (+) inside this box →



PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>POWER OF ATTORNEY OR AUTHORIZATION OF AGENT</b>	<b>Application Number</b>	
	<b>Filing Date</b>	
	<b>First Named Inventor</b>	ANSARI, Zahid
	<b>Title</b>	METHOD AND APPARATUS FOR PROVIDING PULSE WIDTH MODULATION
	<b>Group Art Unit</b>	
	<b>Examiner Name</b>	
	<b>Attorney Docket Number</b>	19730-000110US

I hereby appoint:

☒ Practitioners at Customer Number  
 OR

20350

 Place Customer  
 Number Bar Code  
 Label here

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.

OR

☐ Practitioners at Customer Number

<input type="checkbox"/> Firm or Individual Name				
Address				
Address				
City	State	ZIP		
Country				
Telephone	Fax			
I am the: <input type="checkbox"/> Applicant/Inventor. <input checked="" type="checkbox"/> Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).				
<b>SIGNATURE of Applicant or Assignee of Record</b>				
Name	Bala Padmakumar as President of Anacon Systems, Inc.			
Signature				
Date	9/27/01			
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below".				
<input checked="" type="checkbox"/> Total of 2 forms are submitted.				

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PTO/SB/96 (06-0)

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Attorney Docket No. 19730-000110U

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: ANSARI, et al/Anacon Systems, Inc.

Application No./Patent No.:

Filed/Issue Date:

Entitled: METHOD AND APPARATUS FOR PROVIDING PULSE WIDTH MODULATIONAnacon Systems, Inc., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

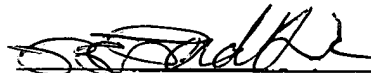
☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

9/27/01

Date



Signature

Bala Padmakumar

Typed or printed name

President

Title

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Rec'd ~~PT~~/PTO 28 NOV 2001  
09/937680

Attorney Docket No.: 19730-000110US

## ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Zahid Ansari, of 85 Princeton Road, Menlo Park, CA 94025, Bruce L. Prickett, of 40351 Imperio Place, Fremont, CA 94539, Jonathan A. Guy, of 4444 Bremner Drive, Austin, TX 78749, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: Method and Apparatus for Providing Pulse Width Modulation

Date(s) of execution of Declaration:

Filing Date:

Application No.: ; and

WHEREAS, Anacon Systems, Inc., located at 1043 Shoreline Boulevard, Suite 202, Mountain View, CA, 94043, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8<sup>th</sup> Floor, San Francisco, CA 94111-3834, to insert herein above the application number, date(s) of execution of Declaration and filing date of said application when known.

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Assignment

Attorney Docket No.: 19730-000110US

Page 2

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 5<sup>th</sup> June 2001

APM  
 ENGLAND AND  
 WALES )  
 STATE OF ~~COLORADO~~ )  
 COUNTY OF ~~LAMAR~~ )

ss.

Zahid Ansari  
 Zahid Ansari

HUSKINSON

On 5<sup>th</sup> JUNE 2001, before me, ALAN PAUL, personally appeared Zahid Ansari, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

ALAN PAUL HUSKINSON

NOTARY PUBLIC

ST. ANDREWS HOUSE

59 ST. ANDREWS STREET

CAMBRIDGE

CB2 3DD

Alan Paul Huskinson  
 NOTARY PUBLIC

My Commission Expires: ON DEATHDated: 7/26/01

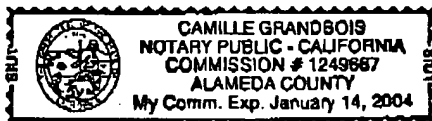
STATE OF California )  
 COUNTY OF Maricopa )

ss.

Bruce L. Prickett  
 Bruce L. Prickett

On July 26, 2001, before me C. GRANDBOIS, NOTARY, personally appeared Bruce L. Prickett, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Camille Grandbois  
 NOTARY PUBLIC

My Commission Expires: Jan. 14, 2004

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Assignment  
Attorney Docket No.: 19730-000110US  
Page 3

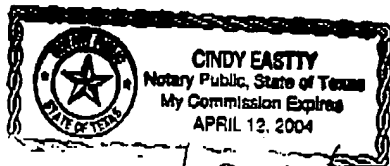
Dated: 8-10-00

  
Jonathan A. Guy

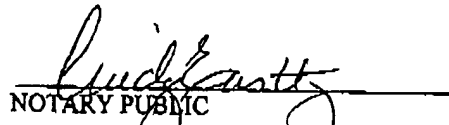
STATE OF Texas )  
COUNTY OF Travis ) ss.

On 8-10-2000, before me, Cindy Easty, personally appeared Jonathan A. Guy, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



My Commission Expires: 4-12-2004

  
NOTARY PUBLIC



Atty. Docket No. 019730-000110US

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY  
STATUS (37 CFR 1.9(f) and 1.27(b)) - NON-INVENTOR**

Applicant or Patentee: ANSARI, et al./Anacon Systems, Inc.

Application or Patent No.: \_\_\_\_\_

Filed or Issued: \_\_\_\_\_

Title: METHOD AND APPRATUS FOR PROVIDING PULSE WIDTH MODULATION

I hereby declare that I am making this verified statement to support a claim by Anacon Systems, Inc. for small entity status for purposes of paying reduced fees to the United States Patent and Trademark Office, regarding the invention described in:

- ☒ the specification filed herewith with title as listed above.  
☐ the application identified above.  
☐ the patent identified above.

I hereby declare that I would qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying fees to the United States Patent and Trademark Office, if I had made the above-identified invention.

I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey or license any rights in the invention is listed below:\*

- ☐ No such person, concern, or organization  
☐ Persons, concerns or organizations listed below\*

\*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

Name \_\_\_\_\_

Address \_\_\_\_\_

☐ Individual☐ Small Business Concern☐ Nonprofit Organization

Name \_\_\_\_\_

Address \_\_\_\_\_

☐ Individual☐ Small Business Concern☐ Nonprofit Organization

Name \_\_\_\_\_

Address \_\_\_\_\_

☐ Individual☐ Small Business Concern☐ Nonprofit Organization

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Name of Person Signing: Bala PadmakumarTitle of Person if Other than Owner: PresidentAddress of Person Signing: 1043 Shoreline Boulevard, Suite 202, Mountain View, CA 94033

SIGNATURE \_\_\_\_\_

DATE 9/27/01